

# DAA Annual Interaction Meeting, Mumbai, 16 & 17 January, 2017

Monday, 16 January 2017; Venue: AG-66

09:15- 09:30: *Opening Remarks by Profs. Antia & Ojha*

## Session-I

09:30- 10:00: **K.P. Singh:** *Astrosat: Update*

10:00-10:20: **B. Mathew:** *The curious case of PDS 11: a nearby, > 10 Myr old, classical T Tauri binary system*

10:20-10:40: **D. Paul :** *Luminosity function of Gamma Ray Bursts*

10:40-11:00: **T. Baug :** *Cloud-cloud collision: A newly evolved theory of massive star formation*

**11:00-11:30 : Tea Break**

11:30- 12:00: **D. Narasimha:** *Is Supernova 1a a standard candle?*

12:00: 12:20: **V. Chand:** *Can GRBs be standard candles?*

12:20-12:50: **S. Hanasoge:** *Digging deep into supergranular flows using helioseismology*

12:50-13:10: **S. Abhimanyu:** *Solving analytically post-Newtonian accurate Kepler Equation*

**DAA Group Photo @13.15 hrs**

**13.15-14:30: Lunch Break**

## Session-II

14:30-15:30 : **Poster Viewing @ Homi Bhabha Foyer Area**

**15:30-16:00 : Tea Break**

## Session-III

16:00-16:30: **M. Puravankara:** *From protostars to protoplanets: an observational perspective*

16:30-16:50: **N. Yadav:** *Computational Studies of the Indus Script*

16:50-17:10: **P. Kocherlakota:** *Precession of 'Stationary' Gyroscopes in Kerr space-time*

19 : 30 → : *Dinner*

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## Session-IV

09:30-10:00: **B. Mookerjee:** *Deuterium chemistry of the farthest low-mass protostellar candidate*

10:00-10:20: **D. B. Dhuri:** *Solar flare forecasting with machine learning using photospheric magnetic field*

10:20-10:40: **Srimanta Banerjee :** *White Dwarfs and modified gravity models*

**10:40-11:00 : Tea Break**

## Session-V

11:00-11.30 : **T. P. Singh:** *DAA activities in General relativity and Cosmology*

11:30:-11:50: **S. Chandra** *The calibration status of SXT onboard AstroSat*

11:50-12:10: **Tilak B. Katoch:** *Test & Evaluation of the LARGE AREA X-RAY PROPORTIONAL COUNTER (LAXPC) -ASTROSAT*

12:10-12.40 : **Sudip Bhattacharyya:** *Possibility of gravitational wave from fast spinning neutron stars*

**12:45-14:30 : Lunch Break**

14:30-15:30: **DAA Colloquium by Nissim Kanekar:** *The gas mass and star formation rate of star-forming galaxies at  $z \sim 1$*

15:45: **Closing Remarks by Devendra Ojha**

## DAIM-2017: List of Posters

- **Blesson Mathew**
  1. *OI lines in Herbig Ae/Be stars*
  2. *Comparative analysis of X-ray emission from T Tauri stars and Herbig Ae/Be stars*
  3. *Discovery of a rare S-type symbiotic binary in the Large Magellanic Cloud*
- **Mayank Narang**

*Transitional Disk : Occurrence rate and dust composition*
- **Sudip Chakraborty**

*Resolving the origin of vertex in the lobes of Centaurus-A*
- **Jai Verdhan Chauhan**

*X-ray timing analysis of Low Mass X-ray Binary H 1743-322 using AstroSat/LAXPC*
- **Tapas Baug**

*A TIRSPEC library of near-infrared spectra*
- **Devendra Ojha**

*TIFR-ARIES Near Infrared Spectrometer (TANSPEC)*
- **Infra-red group**

*Infrared Spectroscopic Imaging Survey (IRSIS) Payload for an Indian small satellite mission*